

Diagram illustrating the states of three disks (Disk 1, Disk 2, Disk 3) and the formula for calculating the Absolute Value:

$$\text{Absolute Value} = S1 + 16(S1 - S2) + 256 (S2 - S3 - 1)$$

The disks are represented as vertical columns of 16 cells each, with the top cell labeled '0' and the bottom cell labeled '15'.

- Disk 1:** 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1
- Disk 2:** 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1
- Disk 3:** 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1